

APPARATUS AND METHODS FOR EVALUATING PERFORMANCE OF ENDOSCOPY DEVICES AND SYSTEMS

ABSTRACT OF THE DISCLOSURE

A test and measurement system to assess performance characteristics of an endoscope or other optically based diagnostic or treatment devices. The performance characteristics can include the photometric characteristics, the imaging characteristics and the physical characteristics of the structural elements including mechanical, pneumatic and fluidic systems. The system comprises software and related devices for calibrating the measurement devices, collecting and controlling measurements, analyzing measurements and comparing them to established performance criteria. The system also analyzes previous measurements and provides analysis and reports to assess trends and plan for replacement or servicing.